

ABSTRACT OF THE DISCLOSURE

A magnetic resonance antenna has longitudinal antenna rods in a birdcage structure, and antenna ferrules connecting the longitudinal antenna rods at their ends in terms of radio-frequency. The magnetic resonance antenna has a number of radio-frequency switching elements that interrupt, in terms of radio-frequency, at least one part of the longitudinal antenna rod to detune the eigen-resonance frequency of the antenna with respect to an operating magnetic resonance frequency. For this purpose, the magnetic resonance antenna is provided with two switching lines, directed to the radio-frequency switching elements from outside of the birdcage structure, the switching lines having a ring line connected thereto running annularly on or in the birdcage structure and transverse to the longitudinal antenna rods.

CH1\ 4127554.1